

REMARKS


Entry of the amendments to the specification, claims and abstract before examination of the application in the U.S. National Phase is respectfully requested.

If there are any questions regarding this Preliminary Amendment or the application in general, a telephone call to the undersigned would be appreciated since this should expedite the prosecution of the application for all concerned.

If necessary to effect a timely response, this paper should be considered as a petition for an Extension of Time sufficient to effect a timely response, and please charge any deficiency in fees or credit any overpayments to Deposit Account No. 05-1323 (Docket # 101402.57603US).

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Respectfully submitted,



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Abstract

A novel method of preparing memantine hydrochloride, comprising the following steps: reacting 1-bromo-3,5-dimethyl adamantane and urea/formic acid, with formic acid also acting as the solvent; hydrolyzing with aqueous inorganic acid; alkalifying, extracting and acidifying with hydrochloric acid; finally collecting target compound. The method uses inexpensive raw materials and is performed in homogeneous phase under mild conditions. It can achieve high yield and good product purity, and is suitable for macrochemistry. The purity of crude product is 99.0%, and reaches 99.98% after first recrystallization, yield: 69.5%, mp: 332 C (DSC).